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SLA R-2140

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REF ID: A6406
SLA R-3306

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MECHANISM OF ELECTROOXIDATION OF ETHYL
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Order from ATS \$14.45

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61-12660

1. Alcohols--Oxidation
 2. Aldehydes--Oxidation
 3. Platinum--Chemical reactions
 4. Ethanol--Oxidation
 5. Title: Electrooxidation
- I. Bogdanovskiy, G. A.
II. Shlygin, A. I.
III. ATS-58M47R
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Services, Inc., East
Orange, N. J.

Office of Technical Services

(Chemistry--Physical, TT, v. 5, no. 7)

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Co-op Tr Sch Tr 429

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LYTIQUE DES OXYDES DU FER (Elektroreduktsionnye
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Order from OTS, ETC or CNRS \$0.85 TT-62-28145

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR)
1956, v.30, no.11, p.2525-2532.

DESCRIPTORS: Steel, Oxidation, *Reduction, Electro-
lysis, Surfaces, *Alkaline cells, Cathodes, *Iron
compounds, Oxides, Electric potential.

(Metallurgy--Ferrous Metals, TT, v. 11, no. 7)

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I. Afanas'ev, A.S.
II. Chankova, E.V.
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Office of Technical Services
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A Study of Adsorption of Simple Gases on Metallic Single Crystals Using the Emission Microscope-Projector, by S. Z. Roginskij, I. I. Tret'yakov.

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S. D. Gromakov, 21 pp.

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Order from OTS or SLA \$1.10 62-16633

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v. 30, no. 12, p. 2649-2655.

DESCRIPTORS: *Permanganates, *Potassium compounds, Pyrolysis, Dissociation, Energy, Reaction kinetics.

Formulas are adduced for the calculation of the activation energies in the processes of the origination (emergence) of initial centers and the nuclear growth of the solid product during the thermal dissociation of potassium permanganate. There are calculated the overall activation energy, the activation energy of the first and second stages in the process of the (Chemistry--Physical, TT, v. 8, no. 9) (over)

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Order from OTS, SLA, or ETC \$1.60 TT-64-14989

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ABC Tr 2948

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OTS 63-11097

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K-H

Mar 59

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ABSOLUTE ADSORPTION ISOTHERMS OF NORMAL-
ISO- AND CYCLOPENTANE VAPOURS ON QUARTZ
AND SILICA GELS. [1961] [15], p. 41 refs. C. E.
Trans. 1946; [DSIR LLU] M. 4017.
Order from OTS or SLA \$1.60 61-28189

Trans. of Zhurnal Fiz[ichekoi] Khim[ii] (USSR) 1957
[v. 31] no. 1, p. 250-262

DESCRIPTORS: *Hydrocarbons, *Cyclopentanes,
Pentanes, Vapors, Adsorption, *Quartz, Powders,
*Silicon, Compounds, Dioxides, *Gels, Adsorbents.

By a vacuum capillary microburette method adsorption
isotherms were determined for n-pentane and cyclo-
pentane on quartz powder and silica gels of different
structural types and the absolute and derived adsorp-
tion isotherms calculated. The absolute adsorption
isotherm of pentane on quartz coincide with the abso-
(Chemistry--Physical, TT, v. 6, no. 12) (over)

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Assoc Tech Serv 63J16R
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AEC Tr 3222

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Tsvetkova, E. V.

PRÉPARATION DE L'UTILISATION DES FILMS
MINCES DE CARBONE POUR LA MICROSCOPIE
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[15]p. 13 refs. CEA Trans. no. R 753 (Text in French).
Order from OTS or SLA \$1.60 * 61-23738

Trans. in French of Zb[urnal] Fix[icheeskoi] Khim[ui]
(USSR) 1957, v. 31, no. 2, p. 372-376.

DESCRIPTORS: *Electron microscopes, *Carbon,
*Films.

(Chemistry--Physical, TT, v. 6, no. 6)

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Liquid-Phase Oxidation of Hydrocarbons
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ATS RJ-2179

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May 60

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Sci - Phys

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THE DECOMPOSITION POTENTIAL OF FUSED LEAD
AND THORIUM CHLORIDES. [1963] 12p (figs omitted)
Order from K-H \$12.00
K-H-8024-b

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1957,
v. 31 [no. 2] p. 467-473.

DESCRIPTORS: *Chlorides, *Thorium compounds,
*Lead compounds, Fused materials, Decomposition

SLA TT-64-30093

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SLA TT 64-18410

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Examination of the chemical condition of RaE appearing as a result
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phenylic derivatives

Etude de l'état chimique du RaE, apparaissant par suite de la
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dérivés phényles

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F/R. 1540 - French

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An Analysis of the Thermodynamic Properties of Argon,
Nitrogen and Argon - Nitrogen Mixture by the Methods
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SLA 59-20150

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E. Relationships Between Catalysts of Heterogeneous and
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ATS RJ-1108

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Thermodynamics of Molten Mixtures of Chlorides of
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L. E. Ivanovskiy, 13 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, 1957,
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AEC Tr 3278

Sci - Chem

Sep 58

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REQ TR CHECK

13-12-7

TZ29

THE ELECTROCHEMICAL BEHAVIOR OF TITANIUM
IN AQUEOUS SOLUTIONS I. HYDROGEN OVERPOTENTIAL
ON TITANIUM

KOLOFYRKIN YA M
UR: ZHURNAL FIZICHESKOY KHIMII
1957, vol 31, nr 3, pp 659-671

In process
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REQ TR CHECK

13-12-7

TZ29

THE ELECTROCHEMICAL BEHAVIOR OF TITANIUM
IN AQUEOUS SOLUTIONS I. HYDROGEN OVERPOTENTIAL
ON TITANIUM

KOLOTYRKIN YA M

UR: ZHURNAL FIZICHESKOY KHMII
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The Dissociation Constant of the Pyro-phosphate Complex of Magnesium and the Heat Effect of Its Formation in Aqueous Solution, by V. P. Vasil'yev, 11 pp.

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OSB 60-17703

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Mar 62
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SLA/R-2674

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A Study of the Phase Diagram of the System Zirconium-Boron I. Formation of a Solid of Boron in Zirconium, by V. A. Epel'baum, M. A. Gurevich.

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Coop Tr S-1
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AMM 84-916 76,660

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Assoc Tech Sv (AT&T-43M2OR

(possibly DSIR/TCL Tr 104)

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